

## **Best Practice**

### **1. Title: Solar Ambassador**

### **2. Aims and Objectives: -**

- Spread Awareness and Conservation about energy.
- To promote and Insist Rural People, Farmers, to Use Renewable Energy Based Instruments
- To enhance the Employability of Rural Youth, Making them skilled persons.
- To Organize Training Programs on Energy conservation,

**3. Context:** Our college is located in a rural area, predominantly inhabited by farmers, labourers, and individuals with low economic status. Environmental elements, such as weather and changes in climatic conditions, have a significant impact on agricultural productivity. Additionally, living in a rural area sometimes means experiencing frequent power outages from the Electrical Department (MSEB). The majority of individuals rely on conventional electrical resources for their daily activities.

The objective of our Solar Ambassador programme is to raise awareness about solar energy as an alternative source of power. We aim to persuade and inspire individuals to adopt solar equipment for their daily activities, resulting in energy conservation and cost savings, ultimately leading to an improved quality of life.

**4. Practices: -** Our main purpose is to encourage, inspire, and educate individuals on the utilisation of solar energy. To achieve this, we organise Solar Literacy initiatives focused on energy preservation.

- Train student for “Solar Ambassador”
- Organizing Energy conservation programme
- Development of Energy Lab
- Organizing Workshop and Seminar on Use of Renewable Energy
- Energy Conservation Survey

### **5. Evidence of success/Programme Result: -**

Our trained solar ambassador went to near by village and motivated farmer and people to install solar equipment like solar water and solar pump. They also inform them the benefits of the solar energy which is pollution free and saves cost too.

To promote the implementation of solar energy in society, our trained students initiated a campaign by organising rallies and personally visiting farmers and villagers. By following a consistent practice, ambassadors effectively alter people's thinking and install solar equipment on their farm and roof of the house.

#### 6. Problems Encountered and Resource Required: -

- It is very difficult to change the mindset of society for alternative source of energy.
- Unawareness about Solar Energy
- Limited financial resources/funding/ Installation Expenditure
- Inadequate infrastructure of the houses.

#### Solar Rallies, Exhibition at Mauje-Sukene





### Survey Photo by Solar ambassador





## Solar Ambassador's Success





## 7.2.1 – Best Practices

### Best Practice No # 01

#### Title of the Practice- “Green Campus”

#### Objectives of the Practice:

- ❖ Dissemination of environmental literacy to motivate students, teachers and supporting staff
- ❖ Transformation of the campus into pollution free and environmentally friendly zone. Conservation as well as generation energy.
- ❖ Efficient use of available water.
- ❖ Proper waste management.
- ❖ Planting and maintaining trees.

#### Emphasis:

1. Greenery to provide pollution free air and carbon sink.
2. A clean campus.
3. Minimise - waste and consumption of water and energy.
4. Adoption and deployment of environment - friendly activities.
5. Impact of use of digital technology and management to reduce consumption of natural/ non-renewable resources - paper, gas, water, energy etc.

#### The Context:

Our college campus has significant greenery covering all parts of the campus, something that is appreciated by all visitors on campus. Government of Maharashtra awarded our college One lakh rupees as a reward for making campus green.

A clean and healthy environment aids effective learning and provides a conducive learning environment. We decided to educate and make aware students on the issues such as renewable energy sources, waste management.

We decided to work in the areas of power, plant, water and cleanliness. The stakeholders work to develop an eco-friendly, sustainable campus and to disseminate the concept of eco-friendly culture.

#### The Practice (Themes of the Programme)

Greening the campus is all about turning around wasteful inefficiencies and using conventional sources of energies for its daily energy needs, correct disposal handling, procurement of environment friendly supplies and effective recycling program. Institute has to work out the time bound strategies to implement green campus initiatives. These strategies need to be incorporated into the institutional planning and budgeting processes with the aim of developing a clean and green campus.

1. **Litter and Waste:** Assesses the impact of litter and waste on the environment and explores practical means for preventing, reducing and minimising the amount of litter and waste produced by the campus. The adoption of this theme is obligatory for the initial implementation of the Green-Campus

programme on a campus. Furthermore, like all other initial themes, it is continued as a part of regular activity. For this initiative once the campus is awarded by government of Maharashtra

2. **Energy:** Implements means by which the campus community can work together to increase awareness of energy issues and to improve energy conservation and efficiency.
3. **Water Conservation and Protection:** Focuses on the importance of water both locally and globally and raises awareness of water conservation and source protection.
4. **Transport and Travel:** Suggests ways for students, staff, and local government to work together to raise awareness of transport issues and implement practical solutions to make a real difference to commuter management on campus.
5. **Biodiversity:** Examines the diversity of plant and animal life associated with the campus and finds ways to enhance and protect biodiversity.
6. The Botany department of the college maintains a large variety of medicinal plants and wide variety of plant species. Planting of tree saplings by chief guests during their visits to the college for various functions.
7. **Green Information and Communications Technology (ICT):** An emergent theme, Green ICT examines the environmental impact of ICT at third level and explores ways in which ICT personnel and Green-Campus Committees can cooperate to reduce this impact.

#### **Evidences of Success:**

Total Green cover of the College Campus- Total Area of the Campus is 18200 Sq. Meter and total **Green Cover is 10250 Sq. Meter that is 56.30%** area fully covered with greenery

- The green campus developed by college helps not only to save the environment, but also adds to the beauty of the campus. College is able to save a lot of money on electricity bills due to solar system is evidenced from the past electricity bills. Ban on plastic items, vermi culture and vermi compost has made college campus clean and beautiful. Eco-campus strategies employed resulted in one of the beautiful and clean college in the vicinity. It has resulted in attracting more students
- The college generally does not generate any hazardous waste in any manner. However, the college strives to generate minimal waste and tries to reduce the use of plastics whenever possible. Printer Cartridges are generally refilled and not disposed. Wherever refilling is not possible, the cartridge is returned to the manufacturer. Paper waste is sold off to vendors who send it for recycling.

#### **Problems Encountered and Resources Required**

- The financial resources are always needed to secure success in organizing these programs.
- The college has challenges in terms of physical infrastructure and limitations of resources.

## Green Campus

### College Campus Map



3WH9+GF, Vijay Nagar, Maharashtra 422206, India

Latitude  
20.07938097°

Local 04:02:13 PM  
GMT 10:32:13 AM

Longitude  
73.91757165°

Altitude 15.04 meters  
Friday, 21.10.2022





GPS Map  
Camera Lite

3WH8+5W8, Swami Samarth Nagar, Vijay Nagar,  
Maharashtra 422206, India

Latitude  
20.07906201°

Longitude  
73.91704045°

Local 04:04:19 PM  
GMT 10:34:19 AM

Altitude 15.04 meters  
Friday, 21.10.2022



GPS Map  
Camera Lite

3WH8+5W8, Swami Samarth Nagar, Vijay Nagar,  
Maharashtra 422206, India

Latitude  
20.07847426°

Longitude  
73.91755579°

Local 01:22:21 PM  
GMT 07:52:21 AM

Altitude 15.04 meters  
Wednesday, 26.10.2022



GPS Map  
Camera Lite

3WH9+GF, Vijay Nagar, Maharashtra 422206, India

Latitude  
20.07930865°

Longitude  
73.91778348°

Local 04:01:22 PM  
GMT 10:31:22 AM

Altitude 15.04 meters  
Friday, 21.10.2022



GPS Map  
Camera Lite

Vijay Nagar Colony Rd, Ojhar, Maharashtra 422207, India

Latitude  
20.07937823°

Longitude  
73.91734104°

Local 09:35:46 AM  
GMT 04:05:46 AM

Altitude 15.04 meters  
Saturday, 22.10.2022



GPS Map  
camera Lite

3WH8+6J4, Swami Samarth Nagar, Vijay Nagar,  
Maharashtra 422206, India

Latitude  
20.0788285°  
Local 09:30:25 AM  
GMT 04:00:25 AM

Longitude  
73.91643923°  
Altitude 15.04 meters  
Saturday, 22.10.2022



GPS Map  
camera Lite

3WH8+5W8, Swami Samarth Nagar, Vijay Nagar,  
Maharashtra 422206, India

Latitude  
20.07906052°  
Local 04:04:35 PM  
GMT 10:34:35 AM

Longitude  
73.91703936°  
Altitude 15.04 meters  
Friday, 21.10.2022



GPS Map  
camera Lite

3WH8+5W8, Swami Samarth Nagar, Vijay Nagar,  
Maharashtra 422206, India

Latitude  
20.07905919°  
Local 04:04:54 PM  
GMT 10:34:54 AM

Longitude  
73.91703888°  
Altitude 15.04 meters  
Friday, 21.10.2022



3WH8+C6F, Swami Samarth Nagar, Vijay Nagar,  
Maharashtra 422206, India

Latitude  
20.07929998°

Local 04:03:28 PM  
GMT 10:33:28 AM

Longitude  
73.9174174°

Altitude 15.04 meters  
Friday, 21.10.2022



3WH8+5W8, Swami Samarth Nagar, Vijay Nagar,  
Maharashtra 422206, India

Latitude  
20.07905929°

Local 04:04:49 PM  
GMT 10:34:49 AM

Longitude  
73.9170387°

Altitude 15.04 meters  
Friday, 21.10.2022



3WH9+GF, Vijay Nagar, Maharashtra 422206, India

Latitude  
20.07936135°

Local 04:02:52 PM  
GMT 10:32:52 AM

Longitude  
73.9175449°

Altitude 15.04 meters  
Friday, 21.10.2022